

Title (en)

METALLURGICAL POWDER COMPOSITION AND METHOD OF PRODUCTION

Title (de)

METALLURGISCHE PULVERZUSAMMENSETZUNG UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

COMPOSITION PULVERULENTE METALLURGIQUE ET SON PROCEDE DE PRODUCTION

Publication

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Application

EP 07818280 A 20070920

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- US 84764006 P 20060928

Abstract (en)

[origin: WO2008034614A1] The present invention relates to an annealed prealloyed water atomised iron-based powder suitable for the production of pressed and sintered components having high wear resistance. The iron-based powder comprises 15-30% by weight of Cr, 0.5-5% by weight of each of at least one of Mo, W and V and 0.5-2%, preferably 0.7-2% and most preferably 1-2% by weight of C. The powder has a matrix comprising less than 10% by weight of Cr, and comprises large chromium carbides. The invention also relates to a method for production of the iron-based powder.

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